Appendix B

Currently Pending Claims

9. (Amended) An isolated nucleic acid molecule comprising an open reading frame, wherein the open reading frame comprises:

(a) a nucleotide sequence selected from the group consisting of SEQ ID NO: 125, SEQ ID NO: 127, SEQ ID NO: 131, SEQ ID NO: 463, SEQ ID NO: 465, SEQ ID NO: 569, and SEQ ID NO: 571;

(b) a fragment of (a) greater than 18 nucleotides in length;

(c) a nucleotide sequence complementary to (a) or (b); and

(d) a nucleotide sequence having 90% or greater sequence identity to (a), (b) or (c).

10. (Amended) An isolated nucleic acid molecule comprising an open reading frame, wherein the open reading frame comprises a fragment greater than 18 nucleotides in length of a nucleotide sequence selected from the group consisting of SEQ ID NO: 125, SEQ ID NO: 127, SEQ ID NO: 131, SEQ ID NO: 463, SEQ ID NO: 465, SEQ ID NO: 569, and SEQ ID NO: 571.

11. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence complementary to a nucleic acid molecule according to claim 9.

12. (Amended) An isolated nucleic acid molecule comprising an open reading frame, wherein the open reading frame comprises a nucleotide sequences having 90% or greater sequence identity to a nucleic acid molecule according claim 9.

13. (Amended) An isolated nucleic acid molecule which can hybridize to a nucleic acid molecule according to claim 9 under high stringency conditions.

18. (New) A recombinant vector comprising:

(a) an isolated nucleic acid molecule according to claim 9; and

(b) control elements that are operably linked to said nucleic acid molecule whereby a coding sequence within said nucleic acid molecule can be transcribed and

translated in a host cell, and at least one of said control elements is heterologous to said coding sequence.

19. (New) A host cell transformed with the recombinant vector of claim 18.

20. (New) A method of producing a recombinant polypeptide comprising:

(a) providing a population of host cells according to claim 19; and

(b) culturing said population of cells under conditions whereby the polypeptide encoded by the coding sequence present in said recombinant vector is expressed.

21. (New) An isolated nucleic acid molecule comprising an open reading frame, wherein the open reading frame comprises a nucleotide sequence selected from the group consisting of SEQ ID NO: 125, SEQ ID NO: 127, SEQ ID NO: 131, SEQ ID NO: 463, SEQ ID NO: 465, SEQ ID NO: 569, and SEQ ID NO: 571.

22. (New) A recombinant vector comprising:

(a) an isolated nucleic acid molecule according to claim 21; and

(b) control elements that are operably linked to said nucleic acid molecule whereby a coding sequence within said nucleic acid molecule can be transcribed and translated in a host cell, and at least one of said control elements is heterologous to said coding sequence.

23. (New) A host cell transformed with the recombinant vector of claim 21.

24. (New) A method of producing a recombinant polypeptide comprising:

(a) providing a population of host cells according to claim 21; and

(b) culturing said population of cells under conditions whereby the polypeptide encoded by the coding sequence present in said recombinant vector is expressed.